

Safety Data Sheet (SDS)

1. Identification of the substance/preparation and of the company/undertaking

Product name: Oxilink SP Spray
Manufacturer/Supplier: Oxilink Co., Ltd.
Address: 11-6 Tenpozan-cho Kagoshima-City Kagoshima 890-0061 JAPAN
Department: --
Tel: 099-256-0029
Emergency telephone: 090-3016-6434
Fax.: 099-256-0032
Email: --
Recommended use of the chemical and restrictions on use: Deodorants. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

2. Hazard Identification

GHS classification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.

GHS Label elements:

Symbol	Not applicable.
Signal word	Not applicable.
Hazard statement	No relevant GHS classification for this product.
Precautionary Statements	No special requirements.
Response Precautionary Statements	No special requirements.
Storage precautionary statements	No special requirements.
Disposal precautionary statements	No special requirements.

3. Composition/information on ingredients

Product description:	substance (); preparation/mixture (√)
-----------------------------	---------------------------------------

Ingredient (s)	By weight (%)	Molecular Formula	MITI No.	CAS No.	PRTR Government ordinance No.	Notified information of hazardous and dangerous substances under Industry Safety and Health Law (Government ordinance No.)

Deionized water	99.97540	H ₂ O	Not applicable	7732-18-5	Not applicable	Not applicable
Calcium hypochlorite	0.01992	Ca.2ClHO	1-177	7778-54-3	Not applicable	Attached table 9-200 of Cabinet order
Sodium chloride	0.00368	ClNa	1-236 7-(3)-10533	7647-14-5	Not applicable	Not applicable
Magnesium chloride	0.00078	Cl ₂ Mg	1-233	7786-30-3	Not applicable	Not applicable
Ferric Chloride	0.00012	Cl ₃ Fe.(H ₂ O) ₆	Not applicable	10025-77-1	Not applicable	Not applicable
Calcium hydroxide	0.00010	CaH ₂ O ₂	1-181	1305-62-0	Not applicable	Attached table 9-317 of Cabinet order

4. First-aid measures

After inhalation	No special measures as there is no hazard for normal contact. Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.
After skin contact	Wash with soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
After eyes contact	Wash carefully with water for several minutes. Remove contact lenses, if it is present and easy to do. Continue washing after removing it.
After ingestion	Give water to vomit and seek medical attention if necessary. Call a doctor/physician if you feel unwell.
Acute effect and delayed effect	Acute effect: Not found. Delayed effect: Not found.
Personal protective equipment	Choose proper gloves/clothes/glasses/ when necessary.
Indication of immediate medical attention and treatment needed, if necessary	Treat according to symptoms.

5. Fire-fighting measures

Extinguishing Media	Use carbon dioxide, water spray, chemical powder and dry sand for extinction. Do not use water jet.
Specific Hazards Arising from the Chemical	No relevant information.
Fire Fighting Method (General method)	It is effective to use carbon dioxide, chemical powder and foam to extinguish initial fire. Shut off air supply. Cool the surrounding area by spraying water with a spray nozzle to prevent the spread of fire. Extinguish fire from upwind and cool down containers by water spray. Remove containers from fire area if it can be done without risk. Deny unnecessary entry to the place around the fire.
Fire Fighting Equipment	In case of fire-fighting, extinguish the fire from the windward and wear protective equipment. Wear non-permeable protective gear and gloves when possible to contact skin. Personnel who perform fire-fighting operations must wear air respirators and other protective devices to protect against hypoxia or harmful gas damage to the body.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Deny unnecessary entry to the place around the release place. Use proper personal protective equipment as indicated in Section 8.
Environmental precautions	Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.
Methods and material for containment and cleaning up	Wipe up spill with sand or other non-combustible material. Prevent leakage or spill. Wipe up or absorb with dry inert substance and then collect into a suitable empty container. For large spills, enclose them with embankments to prevent spill. Clean the contaminated ground with fresh water.
Precautionary measures for secondary hazard	Prevent leakage from flowing into enclosed space (e.g. drain, sewer, basement, etc.).

7. Handling and storage

Handling	
Technical measures	Use proper personal protective equipment as indicated in Section 8.
Precautions	
Precautions for safe handling	Wash hands thoroughly after handling. Take measures to prevent the container from falling and do not handle it with care.
Storage	
Conditions for safe storage	Store tightly closed in a dry, cool and well-ventilated place.
Incompatible substances or mixtures	No relevant information.
Appropriate technical measures	Do not stack too high to avoid falling down.
Packing materials	Plastic container.

8. Exposure controls/personal protection**Control parameters:**

Ingredients	OSHA PEL-TWA	ACGIH TLV-TWA	Japan Industry & Health Association-PELs
Calcium hydroxide (CAS: 1305-62-0)	Total dust: 15 mg/m ³ Respirable fraction: 5 mg/m ³	Total dust: 5 mg/m ³	No data available
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Install eye washer and safety shower near handling and storage area.		
Personal Protective Equipment			
Respiratory Protection	No special requirements under normal conditions. Wear an appropriate respirator when the concentration in the work place exceeds the exposure limits or discomfort occurs.		
Protection of hands	Recommend wearing protective gloves for industrial hygienic purpose.		
Protection of eyes	No special requirements under normal conditions. Wear safety glasses when liquid may splash.		
Protection of body	Recommend wearing general working clothing.		
General protective and hygienic measures	Wash hands before breaks and at the end of work. Do not inhale vapour generated from processing.		

9. Physical and chemical properties

General Information	
Form	Liquid
Colour	Clear
Odour	Slight chlorine like odor
Odour threshold	No data available
pH	No data available
Melting point/ Freezing point	No data available
Boiling point/Boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas, etc.)	Non-flammable
Flammable/Explosive Limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
n-octanol/Water Partition Coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, dynamic	No data available
VOC content	No data available

10. Stability and reactivity

Stability	Stable under normal temperatures and pressures.
Possibility of hazardous Reactions	There are no known dangerous reactions under normal use conditions.
Conditions to avoid	Long-time direct sunlight and high temperature.
Materials to avoid	No relevant information.
Hazardous Decomposition Products	No relevant information.

11. Toxicological information

Acute toxicity:	
LD₅₀/LC₅₀ (Median lethal dose)	
Acute toxicity (Oral)	Calcium hypochlorite (CAS: 7778-54-3): Acute toxicity (Oral) LD ₅₀ : 790 mg/kg (rat) (NITE-CHRIP) Sodium chloride (CAS: 7647-14-5): Acute toxicity (Oral) LD ₅₀ : 3,550 mg/kg (rat) (ECHA) Magnesium chloride (CAS: 7786-30-3): Acute toxicity (Oral) LD ₅₀ : 5,000 mg/kg (rat) (ECHA) Calcium hydroxide (CAS: 1305-62-0): Acute toxicity (Oral) LD ₅₀ : 7,340 mg/kg (rat) (NITE-CHRIP) Classification of the whole product: Not classified
Acute toxicity (Dermal)	Calcium hypochlorite (CAS: 7778-54-3): Acute toxicity (Dermal) LD ₅₀ > 2,000 mg/kg (rabbit) (NITE-CHRIP) Sodium chloride (CAS: 7647-14-5): Acute toxicity (Dermal) LD ₅₀ > 10,000 mg/kg (rabbit) (ECHA) Magnesium chloride (CAS: 7786-30-3):

	Acute toxicity (Dermal) LD ₅₀ > 2,000 mg/kg (rat) (ECHA) Classification of the whole product: Not classified
Acute toxicity (Inhalation)	Classification not possible.
Skin corrosion/irritation	Calcium hypochlorite (CAS: 7778-54-3): Category 1 (NITE-CHRIP) Calcium hydroxide (CAS: 1305-62-0): Category 2 (NITE-CHRIP) Classification of the whole product: Not classified.
Serious eye damage/eye irritation	Calcium hypochlorite (CAS: 7778-54-3): Category 1 (NITE-CHRIP) Calcium hydroxide (CAS: 1305-62-0): Category 1 (NITE-CHRIP) Classification of the whole product: Not classified.
Respiratory sensitization	Classification not possible.
Skin sensitization	Calcium hypochlorite (CAS: 7778-54-3): Category 1 (NITE-CHRIP) Classification of the whole product: Not classified.
Germ cell mutagenicity	Classification not possible.
Carcinogenicity	Classification not possible.
Reproductive Toxicity	Classification not possible.
Specific target organ toxicity - Single exposure	Calcium hypochlorite (CAS: 7778-54-3): Category 2 (central nervous system) (NITE-CHRIP) Calcium hydroxide (CAS: 1305-62-0): Category 1 (respiratory system) (NITE-CHRIP) Classification of the whole product: Not classified.
Specific target organ toxicity - Repeated exposure	Classification not possible.
Aspiration hazard	Classification not possible.

12. Ecological information

Mobility in Soil	No data available.
Persistence and Degradability	No data available.
Bioaccumulative Potential:	No data available.
Ecotoxicity	Calcium hypochlorite (CAS: 7778-54-3): 48h-EC ₅₀ : 0.005-0.006mg/L, crustaceans (NITE-CHRIP) 133d-NOEC: 0.005 mg/L, fish (NITE-CHRIP) Sodium chloride (CAS: 7647-14-5): 96h-LC ₅₀ : 5,840 mg/L, fish (ECHA) Magnesium chloride (CAS: 7786-30-3): 96h-LC ₅₀ : 541 mg/L, fish (ECHA) Calcium hydroxide (CAS: 1305-62-0): 96h-LC ₅₀ > 100 mg/L, fish (ECHA) Classification of the whole product: Not classified.
Hazardous to the ozone layer	No data available.

13. Disposal considerations

Disposal of waste	Minimize the hazard of waste by the methods of neutralization and stabilization. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations. After contents are completely removed, dispose of its container at hazardous or special waste collection point. Paste a label on the container indicating the possible hazards of the waste.
Disposal of contaminated containers and packaging	Cleaning containers according to relevant criteria and regulations. Remove contents thoroughly before disposal.

14. Transport Information

International laws and regulations	
DOT/Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG	
UN No.	Not applicable
Proper Shipping Name	Not regulated
Hazard Class	Not applicable
Packing Group	Not applicable
Marine Pollutant (Yes/No)	No
Pictogram	Not applicable
Domestic laws and regulations	
Hazard class	Not applicable
UN No.	Not applicable
Proper Shipping Name	Not regulated
Packing Group	Not applicable
Marine Pollutant (Yes/No)	No
Sea (Annex II of MARPOL 73/78 and the IBC Code)	Not applicable
Land transportation (Fire-Fighting Law)	Not applicable
Sea transportation (Safety of Ships Law)	As per the stipulations of Safety of Ships Law.
Air transportation (Aviation Law)	As per the stipulations of Aviation Law.
Emergency response guideline No.	Not applicable
Special precautions for user	Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances.

15. Regulatory information

Fire-Fighting Law	Not applicable.
Industry Safety and Health Law	
ISHA: Chemical Substances requiring Labeling and Deliver of Documents, etc.	Calcium hypochlorite (CAS: 7778-54-3): Attached table 9-200 of Cabinet order. (Range of Application for Label (weight%): ≥ 1 ; Range of Application for SDS (weight%): ≥ 0.1) Calcium hydroxide (CAS: 1305-62-0): Attached table 9-317 of Cabinet order (Range of Application for Label (weight%): ≥ 1 ; Range of Application for SDS (weight%): ≥ 1).
Ordinance on Prevention of Hazards Due to Dust	Not applicable.
Poisonous and Deleterious Substances Control Law	As for the whole product, no relevant classification according to this Law.
PRTR	Specified Class 1-chemicals under this law: not listed. Class 1-chemicals under this law: not listed. Class 2-chemicals under this law: not listed.
Law of Water Pollution Prevention	Not applicable.
Sewer Law	No data available.

Law of Air Pollution Prevention	Not applicable.			
Law of Ocean Pollution Prevention	No data available.			
Laws of Waste Disposal and Cleaning	Dispose it according to laws of industrial waste disposal. (Prohibition of diffusion and outflow)			
Pneumoconiosis Law	Not applicable.			
International Laws and Regulations				
(EC) 1272/2008 Annex VI Table 3.1:	Ingredient(s)	Hazard Class and Category Code(s)	Hazard Statement Code(s)	
	Calcium hypochlorite (CAS: 7778-54-3)	Ox. Sol. 2 Acute Tox. 4 * Skin Corr. 1B Aquatic Acute 1	H272 H302 H314 H400	
TSCA (Toxic Substance Control Act)	Ingredient(s)	CAS No.	TSCA Inventory	
	Deionized water	7732-18-5	Listed	
	Calcium hypochlorite	7778-54-3	Listed	
	Sodium chloride	7647-14-5	Listed	
	Magnesium chloride	7786-30-3	Listed	
	Ferric Chloride	10025-77-1	Not listed	
	Calcium hydroxide	1305-62-0	Listed	
Air Purification Law	This product does not contain any ozone-depleting substances of class I. This product does not contain any ozone-depleting substances of Class II.			
Clean Water Act	Ingredient (s)	Hazardous Substances	Priority Pollutants	Toxic Substances
	Calcium hypochlorite (CAS: 7778-54-3)	Listed	Not listed	Not listed
Carcinogenicity categories	Not applicable.			

16. Other information

References:	<ol style="list-style-type: none"> 1. GHS Technical Documents 2. JIS Z 7252-2014 3. JIS Z 7253-2012 4. Industry Safety and Health Law 5. Poisonous and Deleterious Substances Control Law 6. Law Concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances 7. Fire-Fighting Law 8. PRTR
The latest version issuing date	February 14, 2020
SDS Version	0
Disclaimer:	<p>All the information of this SDS is true and effective, and only for reference. Our company will not control the way how people use it, neither will we be responsible for any consequence. The users shall decide how to properly use the product or adopt certain production way for some special purpose. The above-mentioned precautionary measures are helpful to avoid damage to the property or life safety during the operation or use of this product.</p>

*****The end*****